



ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

NOTES:
REFER TO PAGE 141842-1360 REV 3
FOR ORIGINAL LONGITUDINAL SECTIONS



AUCKLAND OFFICE
DILWORTH HOUSE 71 GREAT SOUTH ROAD
NEWMARKET AUCKLAND 1051
T +64 9 917 5000
W www.harrissongrierson.com

1	FOR INFORMATION	KRW	21.07.18
REF	REVISIONS	BY	DATE

PROJECT:

WESTON LEA LTD
AMBERFIELD
PEACOCKE RD HAMILTON

TITLE:

ALTERNATIVE ROAD GRADING
LONGITUDINAL SECTIONS
SHEET 2 OF 6

ORIGINATOR: SWK	DATE: 19.07.18	SIGNED:	PLOT BY: AJP
DRAWN: AJP	DATE: 19.07.18	SIGNED:	PLOT DATE: 20.07.18
CHECKED: KRW	DATE: 23.07.18	SIGNED:	SURVEY BY:
APPROVED: KRW	DATE: 23.07.18	SIGNED:	SURVEY DATE:

ISSUE STATUS:

FOR INFORMATION

PROJECT No: 9820-141842-01	SCALES: 1:500H 1:100V - A1 1:1000H 1:200V - A3	A1
DRAWING No:		REV
141842-SK266		1

HORIZONTAL

VC LENGTH

GRADE

DATUM RL 29

INTERSECTION RD003
CH 0.000 RL 41.120

SECTION UPDATED

INTERSECTION RD029A
CH 208.204 RL 37.594

INTERSECTION RD029
CH 243.688 RL 37.239

R30

R-30

R30

R50

50m VC

30m VC

-3%

-1%

5%

WAE LEVEL	30 R																												-30 R												30 R												50 R											
DESIGN LEVEL	41.12	40.76	40.67	40.42	40.22	39.77	39.70	39.69	39.35	39.19	39.08	39.02	38.85	38.79	38.70	38.63	38.56	38.48	38.33	38.18	38.03	37.88	37.73	37.61	37.58	37.43	37.28	37.16	37.15	37.12	36.86	36.76	36.26	36.10	35.35																													
EXISTING SURFACE	43.71	43.88	43.86	43.91	43.85	43.47	43.44	43.42	43.43	43.35	43.39	43.37	43.29	43.22	43.04	42.89	42.88	42.81	42.78	42.58	42.81	43.21	43.33	43.46	43.46	42.88	39.11	37.23	37.10	36.79	35.96	35.90	36.01	35.95	35.89																													
CHAINAGE	TP 0.00	TP 12.09	15.00	TP 23.26	30.00	45.00	TP 47.19	47.75	60.00	TP 67.15	72.19	75.00	TP 85.14	90.00	97.19	105.00	TP 111.80	120.00	135.00	150.00	165.00	180.00	195.00	TP 206.24	210.00	225.00	240.00	TP 251.93	253.01	255.00	266.93	270.00	281.93	285.00	300.00																													

RD004 LONGITUDINAL SECTION
1:500 HORI.

HORIZONTAL

VC LENGTH

GRADE

DATUM RL 24

SECTION UPDATED

INTERSECTION RD030
CH 326.214 RL 34.043

NEW OVERLAND
FLOWPATH
LOW POINT

SAG

INTERSECTION RD030A
CH 375.710 RL 34.788

CREST

INTERSECTION RD031
CH 583.015 RL 32.019

R100

30m VC

50m VC

-5%

4%

-6%

WAE LEVEL	100 R																															
DESIGN LEVEL	35.35	34.72	34.60	34.02	33.87	33.61	33.60	33.61	33.87	34.00	34.60	35.20	35.80	36.28	36.40	37.00	37.56	37.60	37.94	37.96	37.93	37.84	37.28	37.06	36.40	35.50	34.60	33.70	32.80	31.90	31.00	
EXISTING SURFACE	35.89	35.82	35.94	33.12	32.32	34.58	34.37	35.56	35.97	37.83	38.06	38.41	38.85	39.23	39.08	39.48	39.46	39.48	40.02	40.07	40.09	40.13	40.14	40.20	40.25	40.31	36.43	33.69	32.68	31.29	30.40	
CHAINAGE	300.00	TP 312.75	315.00	326.70	330.00	341.70	343.37	345.00	356.70	360.00	375.00	390.00	405.00	TP 417.01	420.00	435.00	449.00	450.00	465.00	469.00	474.00	480.00	495.00	499.00	510.00	525.00	540.00	555.00	570.00	585.00	600.00	

RD004 LONGITUDINAL SECTION
1:500 HORI.
1:100 VERT.

DRAFT ONLY